

## Courses Offered

MSc  by Research

Full Time

Part Time

Intake

-  Chemical Engineering

Yes

Yes

January / July

- Petroleum Engineering

Yes

Yes

January / July

- Petroleum Geoscience

Yes

Yes

January / July

- Civil Engineering

Yes

Yes

January / July

-  Mechanical Engineering

Yes

Yes

January / July

-  Electrical & Electronic Engineering

Yes

Yes

January / July

-  Information Technology

Yes

Yes

January / July

-  Science

Yes

Yes

January / July

-  Management (M Phil)

Yes

Yes

January / July

-  Social Science & Humanities (M Phil)

Yes

Yes

January / July

### Important Dates

Committee Meeting (UAdC) – for selecting purpose

**September 2015**  
(Coursework Only)

31 June 2015

31 July 2015

June 2015

1 - 31 September 2015

July 2015

**January 2016**  
(Research/Coursework)

30 September 2015

30 November 2015

September 2015

5 - 31 January 2016

October 2015

**July 2016**

(Research Only)

31 March 2016

31 May 2016

March 2016

7 - 31 July 2016

April 2016

**September 2016**

(Coursework Only)

31 June 2016

31 July 2016

June 2016

1 - 31 September 2016

July 2016

***Important dates (as mentioned above) are subject to changes without prior notice.***

## **Duration of Courses**

□

By Research: -



Type

Duration of Candidacy

Full Time

Minimum - 12 months
Maximum - 36 months

Part Time

Minimum - 24 months
Maximum - 72 months

**Qualification for Each Programme**

i) Academic Requirement

MSc Programme (by Research)

a) Fresh Graduate

Candidates must hold a BSc Degree with minimum CGPA 3.00/4.00 or 2nd Class Upper Division or equivalent

b) With relevant experience

Candidates must hold a BSc Degree or equivalent in the relevant field from a recognized university

ii) English Requirement

Candidates are required to show proficiency in written and spoken English in one of the following forms:

- A minimum TOEFL score of 550 or
- A minimum IELTS score of 6.0 or
- A minimum ELTS score of Band-6 or
- A minimum MUET score of Band-4 or

- A minimum Cambridge English : First (FCE) score of 67
- A minimum Cambridge English : Advanced (CAE) score of 52

\*Note: All applicants must fulfill the English language requirement in order to be admitted to the approved programme.

- iii) Additional Supporting Document (Internationals students only)
  - GRE Test Score (Computer-based OR Paper-based Test)

### Research Areas

COURSE	RESEARCH AREAS
Mechanical	
-	Mechanical Systems Design
-	Vehicle Design
-	Advanced Engine Development
-	Advanced Materials and Processing
-	Manufacturing System Optimization
-	Energy Systems
-	Corrosion and Reliability
-	Friction Stir Welding

Electrical & Electronic	
-	Intelligent Imaging
-	Communications
-	Industrial Automations
-	Sensor Technology
-	Energy Utilisation & Power System
-	System Level Integration
-	Electronic System Design
-	Power Electronics
-	Power Systems
-	Microelectronics

- RF Systems

Civil

- Structural Engineering
- Off-shore Structures
- Highway & Transportation Design
- Environmental Engineering and Management
- Geotechnical Engineering
- Water Resources Engineering
- Geographical Information System (GIS)
- Construction and Project Management
- Waste Water Engineering

Chemical

- Ionic Liquid
- Bio-Fuel
- Environment
- Separation
- Material Development
- Advanced Process Control
- Process System
- Process Safety
- Catalysis
- Reactor Technology

Computer and Information Sciences

- Advanced Database and E-Commerce
- Knowledge Management
- Software Engineering
- Multimedia
- Data Comm. & Networking
- Artificial Intelligence
- Network and Communication System
- Enterprise Resource Information System
- High Performance Computing
- Cloud Computing
- Green Computing

Petroleum Engineering

- Enhanced Oil Recovery
- Oil Field Chemical
- Flow Assurance

- Drilling Optimization
- Drilling Fluid and Completion
- Cementing Technology
- Deep Reservoir (High Pressure High Temperature)
- Unconventional Hydrocarbon

Petroleum Geoscience

- Rock Physics
- Advanced Seismic Technology
- Non-Seismic Methods
- Integrated Basin Analysis
- Reservoir Characterization, Modeling & Simulation
- Carbonate Reservoir Characterization
- Carbonate Sedimentology, Diagenesis and Sequence Stratigraphy

Social Science and Humanities

- Education and Human Development
- Literacy & Development
- Intercultural & cross-cultural perspectives on learning & Teaching
- Al-Quran & Sunnah studies
- Biography of Muhaddithin in Malay Archipelago
- Islamic Pedagogy
- Spiritual and Developmental Psychology
- Theology and Islamic Thought
- Aqidah
- Technology-based Education (M-learning & Distributed learning)
- Eng Education

- Science, Engineering & Technology Studies
- Technology ethics
- Science Writing and Communication
- Science and Culture
- History and Philosophy of Science & Technology
- Technology impact studies
- Futures studies

- Language & Linguistics
- Applied linguistic
- TESL
- Sociolinguistics
- Error Correction
- Language & Communication

- Linguistic
- Literature (Psychoanalytic criticism, self-identity)
- Language didactic & pedagogy

- Journalism, Communication & Media Studies
- Media Literacy
- Corporate Communication
- Marketing and Communication
- Journalism and Mass Communication
- Communication and Society
- Marketing and Management Communication
- Corporate Communication

- Sociological, Cultural & Political Studies
- Postcolonial Studies
- Development Sociology
- Rural and Natural Resources Sociology
- Historical and cultural studies
- Politics and Government
- Economics
- Organizational studies

#### Management

- Marketing & International Business
- Consumer Behavior
- Product Management
- Branding
- Advertising and Promotion
- Multinational Business
- International Culture

- Entrepreneurship
- Corporate Entrepreneurship
- Small & Medium Enterprise
- Family Business

- Strategic Management, Ethics & Corporate Governance
- Strategic Planning
- Corporate Governance

- Risk Management
- Ethics

- Human Resource Management and Organizational Behavior
- Recruitment
- Selection
- Performance Management
- Training & Development
- Change Management
- Team & Group Dynamics
- Organizational Commitment
- Motivation
- Leadership

- Accounting & Finance
- Management Accounting
- Financial Accounting
- Corporate Finance
- Investment and Portfolio Management
- Financial Audit
- Risk Management
- Personal Financial Management

Fundamental & Applied Sciences / Science

- Ionic Liquid
- Bio-Fuel
- Environment
- Separation
- Material Development
- Advanced Process Control
- Process System Engineering
- Process Safety
- Catalysis
- Reactor Technology
- Nanotechnology
- Renewable Energy Systems (Solar Energy and Wind Energy )

For potential supervisor please click [here](#)

### MISSION ORIENTED RESEARCH

By definition, Mission Oriented Research is a focused area, which is multidisciplinary in nature and in

- [Enhanced Oil Recovery](#)
  
- [Carbon Dioxide Management](#)
  
- [Deepwater Technology](#)
  
- [Nanotechnology](#)
  
- [Green Technology](#)
  
- [Biomedical Technology](#)
  
- [Hybrid Energy Systems](#)
  
- [Intelligent City](#)
  
- [Sustainable Resources](#)



**Tuition Fee for Each Programme**

For MSc & PhD by research, the tuition fees are as follows: -

Annual Tuition Fee

Master of Science

Doctor of Philosophy

Full Time

Part Time

Full Time

Part Time

Engineering

RM 6,500

RM 1,200

RM 9,500

RM 1,200

Technology

RM 5,500

RM 1,200

RM 8,000

RM 1,200

Research Methodology (1st semester)

RM 1,500

Examination @ Viva (Final semester)

MSc

RM 1,000

PhD

RM 1,500

Note: -

1.

The fees stated above are on annual basis. However students will be charged on semester basis. The U

2.

Refundable personal bond (deposit) of RM3000 (Applicable for International students only)

3.

Changes of fee structure can be made without prior notice.

OTHER RELATED FEES

PARTICULARS

LOCAL

INTERNATIONAL

Application Fee/ Processing Fee

RM 20

USD 50

Personal Bond (International Student Only)

-

RM3,000 (refundable)

\* Commitment Fee

(Upon acceptance of offer)

RM 500

USD 200

Insurance

RM 100

RM 300

Visa

-

RM 20 - RM100

(Depending to country of origin)

Student Pass

-

RM 60/per application

Special Pass

-

RM 100

(If renewal of student pass is late)

Registration Fee

RM 400

RM 400

Re-registration Fee (every subsequent semester)

RM 100

RM 100

Note : \*Commitment fee is part of tuition fees. It will be forfeited if applicants fail to register at the University or withdraw from the program after registration.

#### **Other Matters for Consideration**

Candidates are advised to have sufficient fund to cover the following expenses:

- Hostel rental about RM 160 per month

- Foods and beverages approximately RM 500 per month
- Personal laptop
- Transportation i.e motorcycle, car, bicycle

### Financial Assistances

Various sources are available for student to apply.

#### a) UTP GRADUATE ASSISTANTSHIP SCHEME (GA)

- Full Time student (research only).
- Cover tuition fees (semester fee, research methodology, [viva@examination](mailto:viva@examination) ).
- Registration, accommodation and transportation are not covered and will need to be born by the student.
  - Candidate will be assigned 5 hours of academic activities per week in the form of tutorials or laboratory demonstration or any other related academic activities.
  - Candidate will need to perform 22 research days per month.
  - Monthly Subsistence Allowance.
  - MSc student – RM 1,650.00
  - PhD student – RM 2,200.00

#### b) UTP TUITION FEE ASSISTTANTSHIP SCHEME (TFA)



- Full Time student (research only).
- Cover tuition fees (semester fee, research methodology, [viva@examination](mailto:viva@examination) ).
- Registration, accommodation and transportation are not covered and will need to be born by the student.
- Candidate will be assigned 5 hours of academic activities per week in the form of tutorials or laboratory demonstration or any other related academic activities.

c) MINISTRY OF HIGHER EDUCATION (MOHE) – MyBRAIN15 Scholarship – [MyMaster](#)

- Malaysian only.
- Full Time student (research / coursework).
- Cover tuition fees not exceed RM 10,000 (semester fee, research methodology, [viva@examination](mailto:viva@examination) ).
- Registration, accommodation and transportation are not covered and will need to be borne by the student.

d) Employee Provident Fund (EPF) Withdrawal Scheme for Malaysian students only covering tuition fee

e) Ministry of Higher Education (MOHE) - Malaysia International Scholarship for international students covering tuition fees and allowance (Full Time only)

Contact Persons for Programme

You may contact the various department and contact person listed below for more information.

Programme

Name

Ext. No.

Email

Department Head,  
Chemical Engineering

Assoc. Prof. Dr. Surti Bt Sufian

[suriati@petronas.com.my](mailto:suriati@petronas.com.my)

Department Head,  
Computer & Information Sciences

Assoc. Prof. Dr Jafreezal Jaafar

605 - 3687404

[jafreez@petronas.com.my](mailto:jafreez@petronas.com.my)

Department Head,

Civil Engineering

Dr. Noor Anis Binti An Abdullah Zawawi

[amilawa@petronas.com.my](mailto:amilawa@petronas.com.my)

Department Head,  
Electrical & Electronic Engineering

Assoc Prof Rosdiazli B Ibrahim

[rosdiazli@petronas.com.my](mailto:rosdiazli@petronas.com.my)

Department Head,  
Mechanical Engineering

Dr Khaled Elraies

[khaled.elraies@petronas.com.my](mailto:khaled.elraies@petronas.com.my)

Department Head,  
Petroleum Geoscience

Assoc Prof Dr Chow Weng Sum

605 - 3687064

[chow\\_wengsum@petronas.com.my](mailto:chow_wengsum@petronas.com.my)

Department Head,  
Petroleum Engineering

Assoc. Prof. Dr Ismail M Saaid 60513687044 [ismailsaaid@petronas.com.my](mailto:ismailsaaid@petronas.com.my)

Department Head,  
Management & Humanities

Assoc. Prof. Dr. Shahrina Mnordin 60513687745 [shahrina\\_mnordin@petronas.com.my](mailto:shahrina_mnordin@petronas.com.my)

Department Head,  
Fundamental & Applied Sciences

Assoc. Prof. Dr. Hanita B Daud 60513687660 [hanita\\_daud@petronas.com.my](mailto:hanita_daud@petronas.com.my)  
khaled.elraies@petronas.com.my

### Contact Persons for Admission

All admission process is managed by the Admission Unit. For admission status and procedure, please contact the following addresses.

Name

Responsibility

Contact Details

Muhammad Azfar B Awaluddin

Admission procedure and inquiries

Tel : +605 368 8345  
Fax : +605 365 4082  
Email : [azfar.awalluddin@petronas.com.my](mailto:azfar.awalluddin@petronas.com.my)  
[utpadmission.pg@petronas.com.my](mailto:utpadmission.pg@petronas.com.my)

Muhamad Faiz B Nasmi

Application Document, status and Offer Letter

Tel : +605 368 8331  
Fax : +605 365 4082  
Email : [mfaiz.nasmi@petronas.com.my](mailto:mfaiz.nasmi@petronas.com.my)  
[admissionutp@petronas.com.my](mailto:admissionutp@petronas.com.my)

Norhasidah

Acceptance of Offer, submission of Visa Application Letter (VAL)

Tel : +605 368 8359  
Fax : +605 365 4082  
Email : [norhasidah\\_meor@petronas.com.my](mailto:norhasidah_meor@petronas.com.my)  
[pgacceptance@petronas.com.my](mailto:pgacceptance@petronas.com.my)

Nurzaihan Binti Zulkefly

Admission Unit

Tel : +605 368 8346  
Fax : +605 365 4082  
Email : [zaihan.zulkefly@petronas.com.my](mailto:zaihan.zulkefly@petronas.com.my)

M Shahrul Nizam B Shah Kobat

Admission Unit

Tel : +605 368 8403  
Fax : +605 365 4082  
Email : [shahrulnizam\\_shahkobat@petronas.com](mailto:shahrulnizam_shahkobat@petronas.com.my)  
[.my](mailto:shahrulnizam_shahkobat@petronas.com.my)

**\*\* Note**

Working days, Monday to Friday (Except Public Holiday)

Working hours, 8am to 5pm (GMT +8:00)

To apply, click [here](#)



Dr Suriati Bt Sufian (Head)